

PAT-NO: JP357198752A
DOCUMENT-IDENTIFIER: JP 57198752 A
TITLE: FILLER FOR PAVING ASPHALT
PUBN-DATE: December 6, 1982

INVENTOR-INFORMATION:

| NAME | COUNTRY |
|------------------|---------|
| HIRANO, KENKICHI | |
| TAKIGAWA, ISAO | |

ASSIGNEE-INFORMATION:

| NAME | COUNTRY |
|--------------------------|---------|
| DENKI KAGAKU KOGYO KKN/A | |

APPL-NO: JP56081883
APPL-DATE: May 30, 1981

INT-CL (IPC): C08L095/00 , E01C007/18

US-CL-CURRENT: 106/668

ABSTRACT:

PURPOSE: The titled filler, consisting of a dry unburned portland cement raw material powder with a low moisture content, a specific hydraulic modulus, silica modulus, iron modulus, and activity index, and capable of improving the abrasion resistance of an asphalt composition.

CONSTITUTION: A filler consisting of a mixed material powder of unburned portland cement, taken out of a step from the outlet of a raw material pulverizer and the inlet of a primary burning furnace, and having a hydraulic modulus (CaO/SiO₂+Al₂O₃+Fe₂O₃) of 1.7 2.3, a silica modulus (SiO₂/Al₂O₃+ Fe₂O₃) of 1.8 3.2, an iron modulus (Al₂O₃/Fe₂O₃) of 0.7 2.0, an activity index (SiO₂/Al₂O₃) of 2.5 8.0, a low moisture content, preferably ≤0.1wt%, and a fineness of 200 7,000cm²/g expressed in terms of the specific surface area measured by the Blaine method. The addition of the resultant filler in an amount of 3 15wt% to an aggregate improves the abrasion resistance

compared with the addition of the limestone powder, and the amount of asphalt to be used is reduced by about 20%.

COPYRIGHT: (C)1982,JPO&Japio